

# Power Cost Memorandum Fuel Cost Update

Date: June 2, 2022

Utility Name (Cert. No.) <b>City of Pelican (24)</b>	Utility File No. <b>PC105-1220F</b>	Date Filed: <b>May 5, 2022</b>
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PCE AMOUNT SUMMARY	Previously Approved PC105-1220E	Staff Recommended Amount(s) and Effective Date PC105-1220F
Class Rate	<u>Date Approved:</u> March 4, 2022	June 3, 2022
Residential	\$0.0608	\$0.0608
Community up to 6,510	\$0.1544	\$0.1868
Community over 6,511	\$0.1497	\$0.1497
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: <u>\$ 3.4655</u>	New Fuel Purchase Price: <b>\$ 4.0915</b>
<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous <u>0</u> Updated <u>0</u>

Signed: *Brenda Cox*  
Brenda Cox

Utility Financial Analyst

**Commission decision re. this recommendation :**

	Date (if different from 6/2/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<i>RMP</i>		
Doyle				
Kurber		<i>KML</i>		
Sullivan		<i>AS</i>		
Wilson		<i>JWW</i>		

*Special Instructions to Staff:*

\* If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# City of Pelican

APPENDIX 1

## POWER COST EQUALIZATION CALCULATION FOR THE TEST PERIOD ENDING June 30, 2020

### Fuel Cost Update

		PC105-1220E	PC105-1220F	
		Prior Commission Approved	Utility Request	Staff Recommended
A.	Total KWH Generated	1,137,744	1,137,744	1,137,744
B.	Total KWH Sold (Appendix 2)	1,017,530	1,017,530	1,017,530
C.	Total Non-Fuel Costs (Appendix 2)	176,874	176,874	176,874
D.	<b>Non-Fuel Cost/KWH (C / B)</b>	<b>\$0.1738</b>	<b>\$0.1738</b>	<b>\$0.1738</b>
E.	Total Fuel Costs (Appendix 2)	192,262	226,992	226,992
F.	<b>Fuel Costs/KWH (E / B)</b>	<b>\$0.1890</b>	<b>\$0.2231</b>	<b>\$0.2231</b>
G.	Eligible Costs/KWH (D + F)	\$0.3628	\$0.3969	\$0.3969
H.	<b>Eligible Cost/KWH (G) Less 20.03 cents/kWh</b>	<b>\$0.1625</b>	<b>\$0.1966</b>	<b>\$0.1966</b>
I.	Lesser of (H) or 79.97 cents/kWh	\$0.1625	\$0.1966	\$0.1966
J.	Average Class Rates (Appendix 3)			
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.2908	\$0.2908	\$0.2908
	Community over 6,511	\$0.1497	\$0.1497	\$0.1497
		Class Power Cost Equalization Per kWh Payable		
K.	Lesser of: (I) x 95%, or (J)			
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.1544	\$0.1868	\$0.1868
	Community over 6,511	\$0.1497	\$0.1497	\$0.1497
L.	<b>Funding Level in Effect</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
	Residential	\$0.0608	\$0.0608	\$0.0608
	Community up to 6,510	\$0.1544	\$0.1868	\$0.1868
	Community over 6,511	\$0.1497	\$0.1497	\$0.1497

PC105-1220F  
Appendix 1

# City of Pelican

APPENDIX 2

## SCHEDULE OF ELIGIBLE POWER COSTS, SALES AND EFFICIENCY FOR THE TEST PERIOD ENDING June 30, 2020

### Fuel Cost Update

		PC105-1220E	PC105-1220F	
		Prior Commission Approved	Per Utility	Staff Recommended
<b>Non-Fuel Costs:</b>				
A.	Personnel Expense	76,986	76,986	76,986
B.	Operating Expense	34,639	34,639	34,639
C.	General and Administrative Expense	30,133	30,133	30,133
D.	Depreciation Expense	35,116	35,116	35,116
E.	Other Expense	0	0	0
F.	<b>Total Non-Fuel Costs</b>	<b>176,874</b>	<b>176,874</b>	<b>176,874</b>
<b>Fuel Costs:</b>				
G.	Gallons Consumed for Electric Generation	55,479	55,479	55,479
H.	Price of Fuel: (per gal.) Actual Cost 1/20/2022 Invoice # 59828	<b>3.4655</b>	<b>4.0915</b>	<b>4.0915</b>
I.	<b>Total Fuel Costs</b>	<b>192,262</b>	<b>226,992</b>	<b>226,992</b>
J.	<b>Total kWh Generated</b>	1,137,744	1,137,744	1,137,744
J.1	Diesel kWh Generated	736,466	736,466	736,466
J.2	Hydro kWh Generated	401,278	401,278	401,278
K.	kWh Sales	1,017,530	1,017,530	1,017,530
L.	kWh Station Service	56,820	56,820	56,820
M.	Efficiency (J.1 / G)	13.27	13.27	13.27
N.	Line Loss	5.57%	5.57%	5.57%
(kWh generated - (kWh Sold + Station Service))/kWh generated				

Staff notes Pelican included the State motor fuel tax of \$0.05 in the cost per gallon of fuel on its Fuel Report. Staff removed the motor fuel tax from the amount reported to calculate the cost per gallon listed above. Staff removed it because fuel used by power plants for power generation are exempt and entitled to a refund of the motor fuel tax paid. (AS 43.40.015(d)(1), AS 43.40.030(d), and AS 43.40.100(C))

**PC105-1220F**  
**Appendix 2**

## CALCULATION OF AVERAGE CLASS RATE PER kWh

Rate Schedule: **Residential**

Customer Charge \$10.54

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to 500	0.2400	0.0000	0.2400	130.5400		
to						
to						
to						
<b>Max</b> 500			<b>Total</b>	<b>130.5400</b>	<b>0.2611</b>	<b>0.0608</b>

Rate Schedule:

Customer Charge;

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+CC	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b>			<b>Total</b>			

Rate Schedule:

(1) Block (by kWh)	(2) Rate (\$/kWh)	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - \$ 0.2003
0 to						
to						
to						
to						
<b>Max</b>			<b>Total</b>			

Signature: Robert M. Pickett

Email: bob.pickett@alaska.gov

Signature: Keith Kurber II  
Keith Kurber II (Jun 2, 2022 08:20 AKDT)

Email: keith.kurber@alaska.gov

Signature: Daniel Sullivan  
Daniel Sullivan (Jun 2, 2022 08:30 AKDT)

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Signature: Janis W. Wilson  
Janis W. Wilson (Jun 2, 2022 16:40 AKDT)

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## CALCULATION OF COMMUNITY FACILITY AVERAGE RATE PER kWh TEST PERIOD: Current Rates

Rate Schedule: <b>Community</b>		Customer Charge		10.54
(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) ((2+3)*500+CC)	(6) Average Rate (4/1)(\$/kWh)- \$ 0.2003
0 to 6,510	0.4700		0.4911	<b>0.2908</b>
6511 to	0.3500		0.3500	<b>0.1497</b>
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				

Rate Schedule:

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)	(6) Average Rate(\$/kWh)- \$ 0.2003
0 to				
to				
to				